VIESA®

ECOLOGICAL COOLERS

INTELLIGENT 12

User's Manual

www.viesa.ca / 1-888 438-8444

IMPORTANT

Installation requires an experienced mechanic with specific knowledge in the installation of the VIESA Ecological Cooler. Installation, disassembly, repairs and maintenance must be performed by an Authorized Installer. Authorized Installer must use proper protective equipment when installing the system.

Improper installation or use of unauthorized parts can cause malfunctions, loss of battery life or other consequences which may result in serious injury.

Manufacturer or Distributor will not be responsible for injuries or damages resulting from misuse of equipment, use contrary to operating instructions or installation by any person other than an Authorized Installer.

Information contained in this manual is subject to change. Manufacturer reserves the right, without notice, to make changes in equipment design or components as progress in engineering, manufacturing or technology may warrant.

World-wide Patents

VIGIA is a trademark of Col-Ven S.A.

Function

VIESA Intelligent 12 is a roof mounted cab cooler that delivers cool air to the truck's cabin using evaporative cooling and without running the vehicle's engine.

Operation

Cooling is generated by vaporized cool water delivered by a self-contained electrical motor. During operation it only consumes water and it makes no use of internal combustion engines, nor does it use chemical coolants or emit gases into the atmosphere. The unit is equipped with a water pump located in an auxiliary tank which takes water to the evaporator. A biturbo blower pushes the exterior air to the interior of the vehicle forcing the air through the evaporator and therefore cooling the warm air. The exceeding water backs to the water tank.

Application

Applied to any unit withan operating voltage of 12 V.

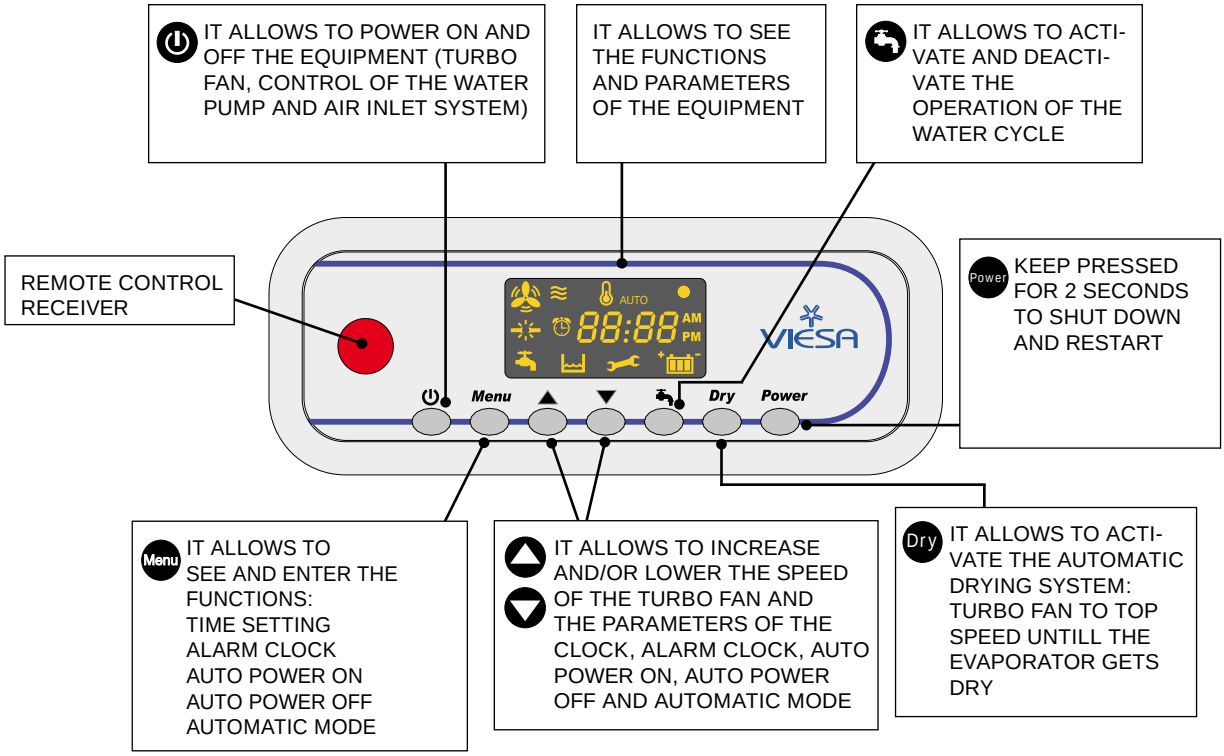
⚠ Viesa Intelligent 12 cannot be installed to cabins with roof-ceiling thickness of less than 6 cm.

BOARD INDICATIONS

Important: *before switching on the equipment:*

With parked vehicle: Open one of the windows 2 to 3 cms.
With the vehicle in motion: Open one of the windows 2 to 3 cms and close all other air entrances to the cabin so that hot air does not enter from exterior.

BOARD


IT ALLOWS TO POWER ON AND OFF THE EQUIPMENT (TURBO FAN, CONTROL OF THE WATER PUMP AND AIR INLET SYSTEM)
IT ALLOWS TO SEE THE FUNCTIONS AND PARAMETERS OF THE EQUIPMENT
IT ALLOWS TO ACTI-VATE AND DEACTI-VATE THE OPERATION OF THE WATER CYCLE
REMOTE CONTROL RECEIVER
Power KEEP PRESSED FOR 2 SECONDS TO SHUT DOWN AND RESTART
AUTO
88:88
AM
PM
VIESA
Menu
Dry
Power
Menu IT ALLOWS TO SEE AND ENTER THE FUNCTIONS: TIME SETTING ALARM CLOCK AUTO POWER ON AUTO POWER OFF AUTOMATIC MODE
IT ALLOWS TO INCREASE AND/OR LOWER THE SPEED OF THE TURBO FAN AND THE PARAMETERS OF THE CLOCK, ALARM CLOCK, AUTO POWER ON, AUTO POWER OFF AND AUTOMATIC MODE
Dry IT ALLOWS TO ACTI-VATE THE AUTOMATIC DRYING SYSTEM: TURBO FAN TO TOP SPEED UNTILL THE EVAPORATOR GETS DRY

Note: *time is expressed in 24H mode.*

REMOTE CONTROL

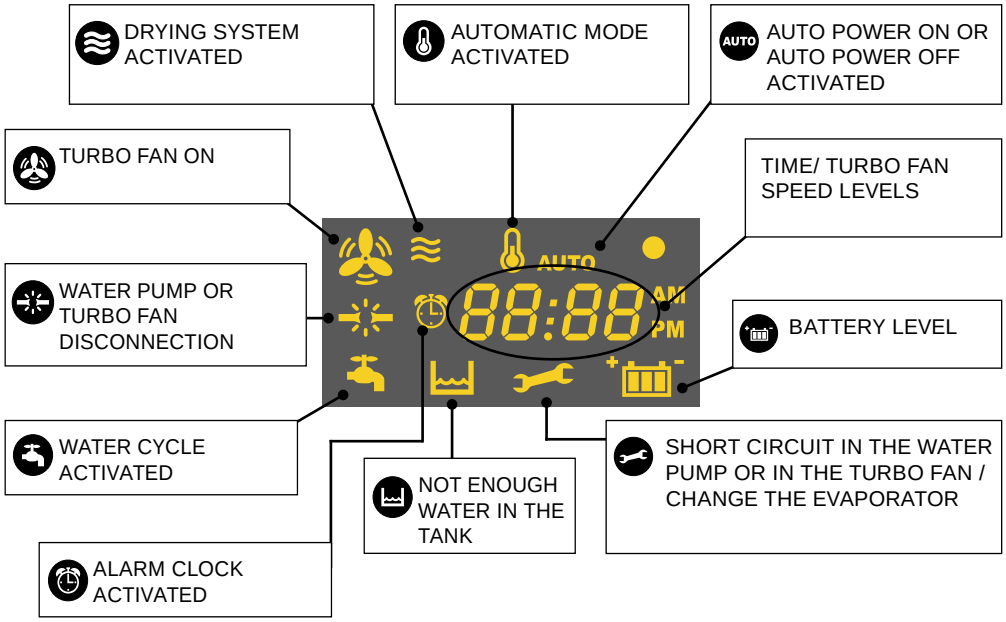
Performs all the functions described above.

Dry : *It activates the drying system; turbo fan to top speed until the evaporator gets dry.*

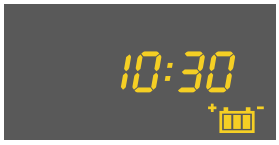
- Keep the batteries of the remote control away from children. Wrong use may cause fire or burns. Do not recharge or heat batteries.
Dispose dead batteries according to local laws. Replace batteries with the same type (AAA).

- Batteries may explode if not correctly inserted. Immediately dispose of dead batteries. Do not throw them into fire.

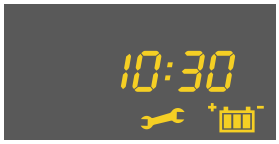
DISPLAY INDICATIONS


DRYING SYSTEM ACTIVATED
AUTOMATIC MODE ACTIVATED
AUTO POWER ON OR AUTO POWER OFF ACTIVATED
TURBO FAN ON
TIME/ TURBO FAN SPEED LEVELS
WATER PUMP OR TURBO FAN DISCONNECTION
BATTERY LEVEL
WATER CYCLE ACTIVATED
NOT ENOUGH WATER IN THE TANK
SHORT CIRCUIT IN THE WATER PUMP OR IN THE TURBO FAN / CHANGE THE EVAPORATOR
ALARM CLOCK ACTIVATED
AUTO
88:88
AM
PM

PERMANENT INFORMATION



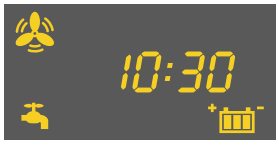
- Clock.
- Battery level: If the voltage decreases to 11,8 V (factory setting), a blinking display will appear and the equipment will start slowing down automatically, decreasing progressively the turbo fan speed



The command and control module registers the working hours, and after working for 546 hours, turns on permanently indicting the evaporator needs to be replaced.

Important: *Every time the evaporator is replaced the working time must be set to* 00:00 *(zero)*

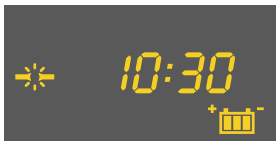
TURBO FAN



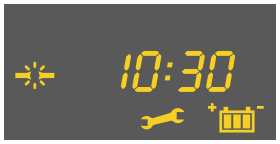
By pressing the turbo fan and the pump control system will be activated.
By pressing again the turbo fan and the pump control system will be disconnected.

This equipment has 8 speed levels, which can be changed by pressing ▲ or ▼.

Note: *keeping pressed one of these the buttons, the speed will vary in sublevels (a total of 24), which will not be displayed and will not emit any sound when passing from one sublevel to another.*



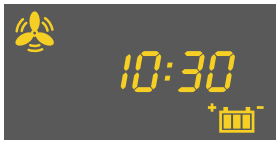
If the turbo fan is disconnected is displayed and the system will make a sound. Will disappear after the problem is solved and the equipment is turned on by pressing ⏻.



In case the turbo fan consumes more than usual, and will be displayed and the system will beep 3 times.
It will disappear after the problem is solved and the equipment is turned on by pressing ⏻.

Note: *If the turbo fan consumes more than 11 Amps. it is considered as over-consumption.*

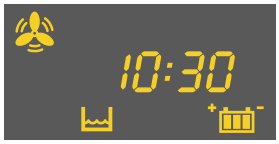
WATER PUMP



When pressing the water pump will turn off .

When pressing again, the water pump will turn on.

The key will activate and deactivate the pump control independently of whether the equipment is activated with ⏻ or not.



If there is not enough water in the tank, the pump will not work will be displayed and the system will make a sound.

Important:

- If the equipment is turned off, will turn off when water is poured into the tank.

- If the equipment is turned on, will turn off when water is poured into the tank and the key is pressed.

If the pump is disconnected, will turn on and the system will make a sound.
Will disappear after the problem is solved and the pump control is turned on by pressing .

Note: *the turbo fan will continue working.*

Important: *The indication of pump disconnected will only show when the pump system is activated.*

In case the pump consumes more than usual, and will be displayed and the system will beep 3 times.
Will disappear after the problem is solved and the pump control is turned on by pressing .

note: *If the pump consumes more than 7Amps it is consider over-consumption.*

Functions

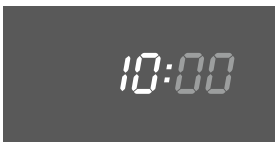
With the Menu key the user has access to different functions:

Time setting
Alarm clock
Auto power on
Auto power off
Automatic mode

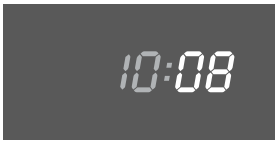
Set Time

It allows the operator to set the equipment clock.

Press Menu until 00:00 is displayed and then press .



The hour blinks, press or to set the hour.

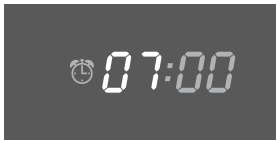


Pressing select the minutes.
Use or to set the minutes.

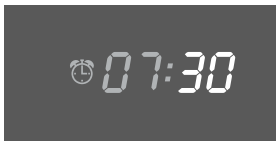
note: *To confirm the hour, wait 5 seconds or press* .

Alarm clock

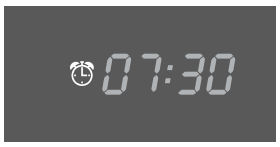
Press Menu until ⏰ is displayed and then press ⏻.



The hour blinks, press ▲ or ▼ to set the hour.



Press ⏻ to select the minutes.
Use ▲ or ▼ to set the minutes.



Using ⏻ the alarm clock is selected ⏰.
Then ⏰, blinks, press ▲ to activate or press ▼ to deactivate.

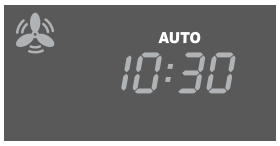
Note: *To confirm alarm clock, wait 5 seconds or press* ⏻.

To turn off the alarm clock, press any key from the control panel or from the remote control, except for Power.

Auto Power On

It allows the operator to turn on the equipment automatically at a pre-programmed time.

Use Menu until 🌀 and AUTO appear and then press ⏻.
Program the clock (see "Set Time").



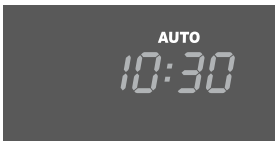
Use ⏻ to select AUTO.
Then AUTO blinks, press ▲ to activate it or press ▼ to deactivate it.

Note: *To confirm auto power on, wait 5 seconds or press* ⏻.

Auto Power Off

It allows the operator to power off the equipment automatically at a pre-programmed time.

Use Menu until AUTO is displayed and then press ⏻.
Program the clock (see "Set Time").



Using ⏻, AUTO is selected.
Then AUTO blinks, press ▲ to activate it or press ▼ to deactivate it.

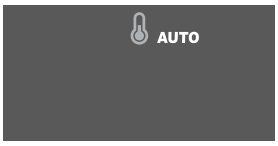
note: *To confirm auto power off, wait 5 seconds or press* ⏻.

Note:*The power off system can be set even when the equipment is off.*

Automatic Mode

It regulates automatically the speed of the turbo fan according to the exterior temperature.

Use Menu until AUTO appears and then press ⏻.



Then AUTO blinks, press ▲ to activate it or press ▼ to deactivate it.

Note: *To confirm automatic mode, wait 5 seconds or press* ⏻.

Explanation: *The turbo fan and the water pump will not power off even if the exterior temperature is very low; in this case the blower will continue working at the minimum speed.Take into account the following chart :*

EXTERNAL TEMPERATURE		SPEED
29°C or higher	*84°F or higher*	*8*
28°C	*82°F*	*7*
27°C	*81°F*	*6*
26°C	*79°F*	*5*
25°C	*77°F*	*4*
24°C	*75°F*	*3*
23°C	*73°F*	*2*
22°C or lower	*72°F or lower*	*1*

DRYING SYSTEM

This unit is equipped with a drying feature which operates the fan to dry out the evaporator.

Important: *If the equipment will remain off for more than 48 hs., activate the drying system to avoid bad smells when restarting it.*

When pressing Dry the equipment will dry the evaporator, starting a countdown and then it will finish automatically.
To deactivate the drying system, press Dry.

Note: *the drying time of the evaporator is factory set to 35 minutes. This is the time we deemed required for normal humidity conditions. This time can be changed.*

POWER OFF

When pressing for 2 seconds the power off button Power the equipment will completely turn-off (Including the display)

To restart it press Power

MAXIMUM TIME IN SERVICE

Every time the equipment is turned on with ⏻ , it will work for a maximum period of time previously programmed and then it will turn off automatically. By default, the period is set to 9 hours.
Set period can be changed during initial configuration at installation.

MAINTENANCE

When is displayed, call your local technical service.

The equipment will delay in cooling until the evaporator is totally wet.
Do not use fuses higher than 15 Amp.
The equipment will deactivate automatically due to low tension so as to prevent damages to the battery.
Use only clean water.
Foresee replenishment of water taking into account that the equipment consumes between 2 and 5 litres per hour depending on the ambient temperature.
During short stops leave the equipment on so as to keep the cabin fresh.
System must be turned off when exhaust fumes or toxic particles could enter the cab through the system.

⚠ When performing maintenance of the equipment or if the evaporator unit's cover or the upholstery cover are removed, the system MUST NOT BE SWITCHED ON and you must not switch it on with any of these elements removed.

Keep the tank clean. Every 200 hours of use

- Drain all the water from the tank by removing the drain plug.
- Rinse with clean water thoroughly.
- Pour one bottle of Viesa Scented Cleansing Fluid.
- Fill-up the tank with clean water.

Each 6 months change the package of granulated Calfa Bas crystals.
Do not use chemical products to clean the control panel.

Every 2 months or according to working conditions:

- Submerge the evaporator in water with bleach (1).
- Clean the grids of the air entrances (2).
- Clean the filter of the collector tray (3).

Once a year replace the evaporator (1).

VIESA SCENTED FLUID (EVERY 200 HOURS OF USE)

GRANULATED CALFA BAS EACH 6 MONTHS

LIMITED WARRANTY

This limited warranty is provided to the original buyer only and covers the VIESA ECOLOGICAL CAB COOLER (the "Product") manufactured by Col-Ven S.A. (the "Manufacturer") and distributed by RCR Systems Limited (the "Distributor").

The warranty period is two years from date of original purchase by the buyer. During this period, if the product is found to be defective in mechanical or electrical materials or workmanship during normal use, it will be repaired or replaced at no charge to the buyer. The buyer will be required to show date and proof of purchase and to return the Product pre-paid to an Authorized Dealer.

THIS LIMITED WARRANTY DOES NOT COVER, AND MANUFACTURER OR DISTRIBUTOR WILL NOT BE RESPONSIBLE FOR, THE FOLLOWING:
-Normal wear of parts;
-Failures or defects due to negligent use, misuse, neglect, abuse, use on improper voltage or current, use contrary to operating instructions, accidents, alterations, disassembly, installation, repair or alteration by any person other than an Authorized Dealer, fire, floods or acts of God.
-Products or accessory equipment not manufactured by the Manufacturer.
-Performance of Product when used in combination with other products or equipment not manufactured by the Manufacturer.
-Payments for labour or service to unauthorized representatives or service agents.

Manufacturer or Distributor will not be responsible for loss of time, inconvenience, loss of use of the Product, injury to buyer or other persons or damage to vehicle or property caused by the Product or by its failure to work or for any other incidental, punitive or consequential damages.

The Manufacturer reserves the right to make the final decision on any warranty claim that may be questionable.

This warranty is not transferable.

EXCEPT AS PROVIDED HEREIN, THIS WARRANTY EXPRESSLY EXCLUDES:
(i) all warranties and conditions, whether express, implied or statutory, including but not limited to warranties and conditions of merchantability for a particular purpose; and
(ii) any agreements, representations, affirmations, warranties or conditions, whether oral or written, made by any agent, employee or representative of seller.

This warranty sets forth the entire responsibility of Manufacturer and Distributor with respect to the Product. The buyer's exclusive remedy is repair or replacement as stated herein. In no event shall Manufacturer or Distributor's liability exceed the cost of correcting defects as provided herein and any such liabilities will terminate upon expiration of the two year warranty period.

USER'S MANUAL VIESA INTELLIGENT 12

REVISION 003
1-2012

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